

Converting Colors

$Y_{xy}(15.4786, 0.3365, 0.4029)$

Have a look what the booklet for
Yxy(15.4786, 0.3365, 0.4029)
contains.

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Color

Yxy(15.3954, 0.3356, 0.4015)

Conversions

Conversions Part 1

Format	Color
Hex	657251
RGB	101, 114, 81
RGB Percent	40%, 45%, 32%
CMY	0.6040, 0.5529, 0.6823
CMYK	0.11, 0.00, 0.29, 0.55
HSL	84°, 17%, 38%
HSV	84°, 29%, 45%
XYZ	12.8685, 15.3954, 10.0808
YIQ	106.3510, 2.8450, -13.0190

Conversions

Conversions Part 2

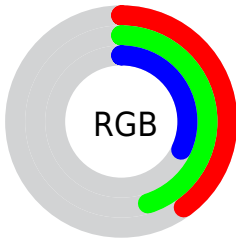
Format	Color
RYB	81, 114, 94
Decimal	6648401
CIELab	46.17, -11.24, 16.71
CIElCh	46, 20.139, 123.909
Yxy	15.3954, 0.3356, 0.4015
Android (android.graphics.Color)	4284838481 (0xFF657251)
YUV	106.3510, -12.4980, -4.6928
Hunter-Lab	39.2370, -10.1224, 12.2330

Details

The Yxy color **15.3954, 0.3356, 0.4015** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **9.4839, 0.2844, 0.2544**, and the grayscale version is **14.5488, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.5865, 0.3299, 0.3827**, and **4.8081, 0.3446, 0.4374** is the 20% darker color. If you saturate the color by 10%, you get **14.9865, 0.3428, 0.4286**, and if you desaturate by 10%, it is **15.8486, 0.3278, 0.3751**.

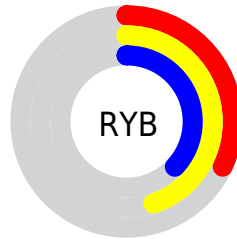
Distribution



Red (40%)

Green (45%)

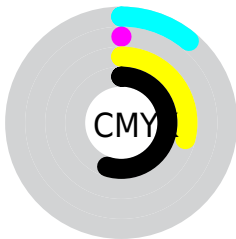
Blue (32%)



Red (32%)

Yellow (45%)

Blue (37%)

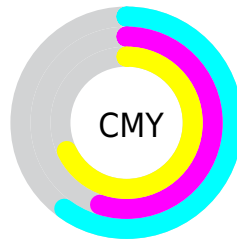


Cyan (11%)

Magenta (0%)

Yellow (29%)

Black (55%)



Cyan (60%)

Magenta (55%)

Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.3954, 0.3356, 0.4015 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 15.3954, 0.3356, 0.4015 by changing the saturation by 10% instead.

15.3954, 0.3356,
0.4015

15.3954, 0.3356,
0.4015

225.7472, 0.3227,
0.3576

9.0974, 0.3392,
0.4162

35.5454, 0.3306,
0.3831

4.8047, 0.3439,
0.4382

50.1660, 0.3288,
0.3770

2.1332, 0.3507,
0.4754

68.3297, 0.3273,
0.3722

0.6832, 0.3544,
0.6456

90.4208, 0.3261,
0.3682

0.0000, 0.0000,
0.0000

116.8237, 0.3251,
0.3649

147.9228, 0.3242,

0.3621

184.1025, 0.3234,
0.3597

■ 15.3954, 0.3356,
0.4015

■ 15.3954, 0.3356,
0.4015

■ 14.9865, 0.3428,
0.4286

■ 15.8486, 0.3278,
0.3751

■ 14.6182, 0.3491,
0.4557

■ 16.3457, 0.3198,
0.3500

■ 14.2894, 0.3540,
0.4817

■ 16.8887, 0.3119,
0.3266

■ 13.9981, 0.3572,
0.5054

■ 17.4791, 0.3041,
0.3050

■ 13.7422, 0.3584,
0.5259

■ 18.1182, 0.2967,
0.2852

■ 13.5193, 0.3573,
0.5421

■ 18.8072, 0.2896,
0.2673

■ 13.3217, 0.3548,
0.5552

■ 19.5474, 0.2830,
0.2512

■ 13.3014, 0.3546,
0.5567

■ 20.3399, 0.2769,
0.2366

■ 21.1859, 0.2712,
0.2236

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



15.3954, 0.3714, 0.3968



15.3954, 0.3356, 0.4015



15.3954, 0.2951, 0.3829

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



15.3954, 0.3356, 0.4015



15.3954, 0.2389, 0.2780



15.3954, 0.3657, 0.3098

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



15.3954, 0.3356, 0.4015



9.4839, 0.2844, 0.2544

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



15.3954, 0.3268, 0.2827



15.3954, 0.3356, 0.4015



15.3954, 0.2548, 0.2640

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



15.3954, 0.3356, 0.4015



15.3954, 0.2409, 0.3075



15.3954, 0.2862, 0.2662



15.3954, 0.3902, 0.3424

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



15.3954, 0.3356, 0.4015



15.3954, 0.2710, 0.3600



15.3954, 0.2862, 0.2662



15.3954, 0.3538, 0.2998

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



15.3961, 0.3356, 0.4015



28.6943, 0.3201, 0.3508



12.1175, 0.3648, 0.3565



6.6118, 0.3210, 0.3536



58.7016, 0.3127, 0.3290



6.8385, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



15.3961, 0.3356, 0.4015



26.5436, 0.3407, 0.4204



14.5552, 0.3139, 0.4066



3.8537, 0.3199, 0.3501



14.7957, 0.3543, 0.5569



73.1935, 0.3509, 0.5596

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



9.4839, 0.2844, 0.2544



14.2773, 0.2759, 0.2343



10.4273, 0.3097, 0.2598



3.3587, 0.3051, 0.3077



1.9640, 0.1873, 0.0805



9.3131, 0.1819, 0.0776

Previews

White Background



This preview shows how the Yxy color 15.3954, 0.3356, 0.4015 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 15.3954, 0.3356, 0.4015 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

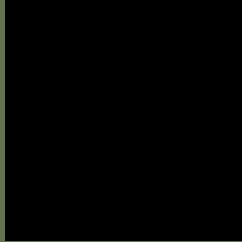
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 15.3954, 0.3356, 0.4015

Background



This preview shows how black text looks on a background with the Yxy color 15.3954, 0.3356, 0.4015.



This preview shows how white text looks on a background with the Yxy color 15.3954, 0.3356, 0.4015.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

15.3954, 0.3356, 0.4015

Protanopia

15.2837, 0.3636, 0.3909

Deuteranopia

15.3169, 0.3770, 0.3722



Tritanopia

15.3095, 0.2977, 0.3105

Trichromacy



Original Color

15.3954, 0.3356, 0.4015

Protanomaly

15.3276, 0.3524, 0.3946

Deuteranomaly

15.1859, 0.3616, 0.3825

Tritanomaly

15.3319, 0.3108, 0.3417

Monochromacy



Original Color

15.3954, 0.3356, 0.4015

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

14.7434, 0.3211, 0.3550

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.3954, 0.3356, 0.4015 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(101, 114, 81)` looks like.

```
.text, #text, p{  
    color:rgb(101, 114, 81)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(101, 114, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 114, 81) }
```

Border

The CSS property to change the border of an element to Yxy 15.3954, 0.3356, 0.4015 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(101, 114, 81) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(101, 114, 81) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(101, 114, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 114, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 114, 81);  
box-shadow:4px 4px 4px 4px rgb(101, 114,  
81) }
```


Background

The CSS property to change the background color of an element to Yxy 15.3954, 0.3356, 0.4015 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 114, 81) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(101,  
114, 81) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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